

WHAT IS CLAIMED IS:

1. A synchronous vehicle detector system comprising;
a plurality of vehicle detectors each having least one vehicle loop
to which that detector can be intermittently couple for vehicle sampling
5 purposes; and
means for synchronizing the operation of said plurality of vehicle
detectors.

2. The invention of claim 1 wherein said means for
synchronizing comprises circuitry incorporated in said vehicle detectors
10 for enabling one of said vehicle detectors to control the synchronous
operation of said plurality of vehicle detectors.

3. The invention of claim 1 wherein said vehicle detector system
is configured for series synchronization.

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4. The invention of claim 1 wherein said vehicle detector system
is configured for parallel synchronization.

5. A method of controlling the operation of a plurality of vehicle
20 detectors in a synchronous manner, said method comprising the steps
of:

- (a) assigning one of said detectors the role of master detector;
and
- (b) operating the remaining number of vehicle detectors as
25 slave detectors to the master.

6. The method of claim 5 wherein said step (b) is performed in
series synchronization.

30 7. The method of claim 5 wherein said step (b) is performed in
parallel synchronization.